

MMSNF-3

First Call

Materials Models and Simulations for Nuclear Fuels

November 18-19, 2004

Washington, DC, U. S. A.

Organized by the Los Alamos National Laboratory,
<http://www.lanl.gov/worldview>.



Sponsored by the Department of Energy of U. S. A.,
the Advanced Fuel Cycle Initiative program.
<http://afci.lanl.gov/aboutaaa.html>.



Held in conjunction with the American Nuclear Society Winter Meeting,
November 14-18, 2004, Washington DC, SUA.
<http://www.ans.org/meetings/winter/>.



ORGANIZING COMMITTEE: M. Stan (LANL) and J. S. Tulenko (Univ. of Florida).

The MMSNF Workshop series aims at stimulating research and discussions on models and simulations of nuclear fuels and coupling the results with the fuel performance codes.

First workshop: Santa Fe, NM, June 9-10, 2003: <http://www.lanl.gov/mst/nuclearfuels/>

Second workshop: New Orleans, LA, Nov. 20-21, 2003: <http://www.lanl.gov/orgs/mst/mmsnf/>

Third workshop: Washington DC, Nov. 18-19, 2004: web page under construction.

SESSIONS:

- Science-Based Fuel Performance Codes.
- Science-Based Materials Models and Simulations.
- The impact of Science-Based Models, Simulations, and Fuel Performance Codes on Nuclear Fuel Development.

FORMAT: Brief presentations of multi-scale, science-based (first principles, atomistic, and continuum) models and simulations of material properties, in contrast with empirical correlations, are encouraged. Experimental results that define requirements, guide, or challenge the models are also welcomed. The presentations are followed by discussions of the sessions' subject. All presentations will be loaded on a CD and distributed to participants.

ABSTRACT SUBMISSION: Please send your abstracts via e-mail by **Nov 1, 2004** to:

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